

**AMENDMENTS TO THE SPECIFICATION:**

**Please amend the paragraph beginning at page 7, line 28, as follows:**

The steam temperature can be increased over the typical figures by integrating into the conventional recovery boiler 1 a special combustion and heat transfer chamber or cavity 2. The steam is superheated in the conventional superheater part 12 to such a degree that high temperature corrosion does not take place, e.g. 480-520 °C, optimally 480-500 °C and the rest of the superheating up to 500-600 °C, optimally to 520-560 °C, takes place in a superheater or in superheaters 24 in a special combustion and heat transfer cavity 2 integrated into the recovery boiler, where the fuel to be burned in a burner or burners 22 with flame or flames 23 is so clean that it does not cause high temperature corrosion. Flue gases 26 from the cavity 2 are introduced into the flue gas stream 27 of the recovery boiler. Preferably the flue gases from the cavity are directed through several openings in the wall of the recovery boiler so that the combustion gases from the at least one cavity are discharged immediately upstream of the superheaters of the boiler.